NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

Lessons from The Desert

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

SNT

www.snt.navsup.navy.mil

Ready. Resourceful. Responsive!

MATT MULLINS
CDR, USN
Project Officer

How SNT Got Started

Aviation Maintenance-Supply Readiness (AMSR) Review Tasking - 1998

⇩ Lower Maintenance & Supply Cost

⇧ Increase Readiness

Result – Serial Number Tracking Initiative provi

- Retrograde Tracking & TAV

By T/M/S, Organization and time period

- Cannibalization data
- BCM statistics
- Top Cost Driver figures
- Reliability information

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SNT Foundation

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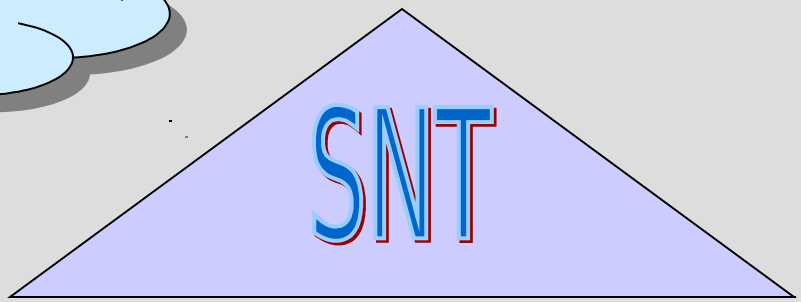
Implementation

SNT requires two components



FIRST

Live access to databases via the SNT Web-enabled portal.

Data Base Access

- WMRS/A-ORS
- eRMS/WMPS
- UICP
- WEB-CAV
- CAV-ORM
- CAV-Navy
- FACTS
- OOMA/OIMA
- R-Supply
- IBS

AIT

- CMB
- 2D Data matrix
- 2D PDF417
- ISO15418/15434
- MILSTD129
- MILSTD130
- MSL
- IRRD

SECOND

Automatic Identification Technology (AIT) is used by the SNT to maintain data accurac

Aviation Asset/Information Flow

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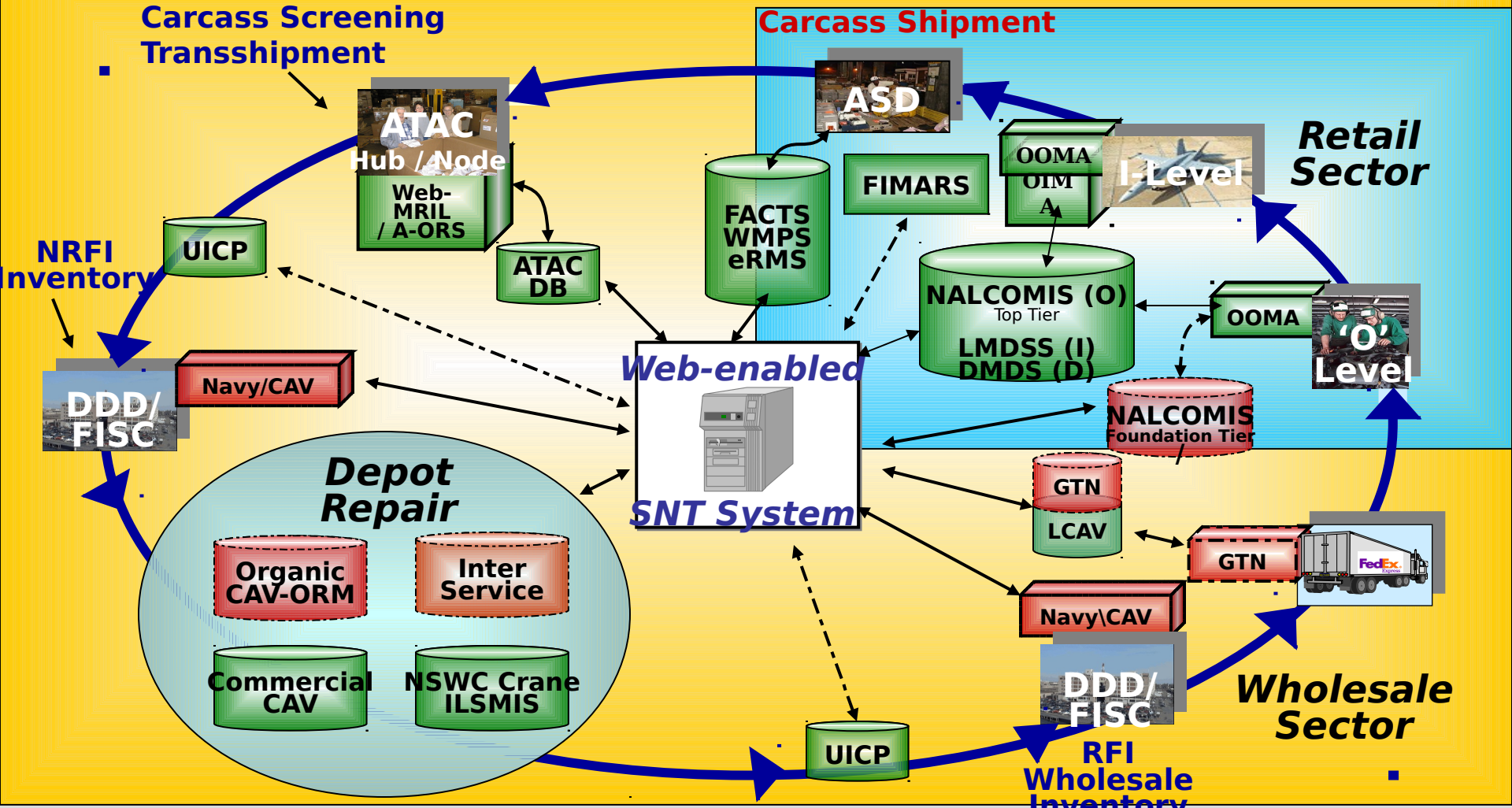
Information Systems

Overview



Connectivity | Not Connected | S/N | No | Asset Flow

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Shipboard Asset/Information Flow

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Information Systems

System Access

Carcass Screening
Transshipment

Carcass Shipment

ATAC

SIMA

Shipboard Supply

CDMD-OA

(O)-Level

Retail Sector

Web-MRIL / A-ORS

(Future) NEMAIS

FACTS WMPS eRMS

OMMS

3M DB

UICP

NRFI Inventory

ATAC DB

R-Supply

Shipboard Inv

DDD/ FISC

Navy/CAV

Web-enabled

FIMARS

SNT System

Depot Repair

Organic CAV-ORM

Inter Service

Commercial CAV

NSWC Crane ILSMIS

GTN

LCAV

GTN

Navy\CAV

DDD/ FISC

Wholesale Sector

UICP

Connectivity | Not Connected | S/N | No | Asset Flow

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CMB

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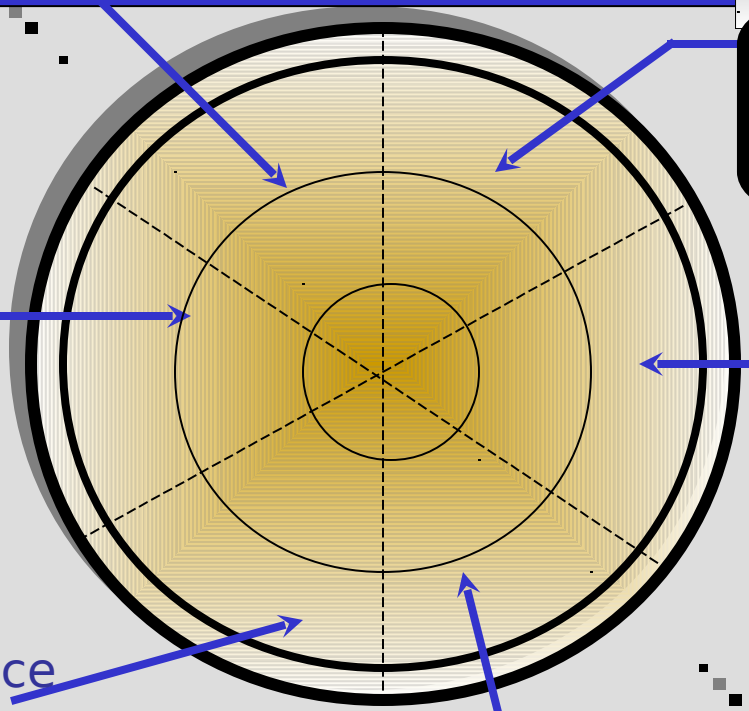
AIT

Contact Memory Button (CMB)

Scheduled Removal Component Card

Name Plate Data

Computer, Air Data CPU-175/A
P/N 50-100-01 SERNO 0152
MFR K0656 CONTR F33657-85C-0025



Maintenance History**

Warranty Data

CMB Stats:
- 2k,8k,32k
- ~$7-$13 each
- Read/Write
- Dual CMB/BC Reader $1200

**Use TBD within aviation maintenance

Available for Vendor Use

Available for Future Navy Use

Demonstrations

H-60/HSL-40:

- Demonstrate O-OMA AIT interfaces
- Squadron hardware requirements/dat
- Track 25 marked components
- Demo completed June 2000

SCADC:

- SNT included in PBL Contract
- Loading of Serial Number into CAV
- BAE Assistance

SNT Functionality in Commercial Depot

Demonstrations

SQQ-32 SONAR:

- Ships selected: MCM's/MHC's
- 13 Components Marked
- Keyport/Ingleside/Raytheon/Shipboa
- Objective: Retrograde Tracking

HOSS Camera (AN/SXY-1):

- NAVICP LECP
- Contract Language and Drawing includes CMB
- SNT in New Production Environm
- Delivery of first cameras: NOV 2

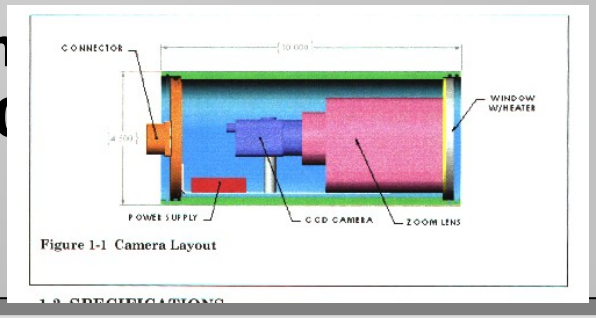


Figure 1-1 Camera Layout

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Submarine Demonstration

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- CAMS II A5 Atmospheric Monitoring Module
- TRIDENT/SEAWOLF Applications

Objectives

- *Prove technology in a submarine environment*
- *Involve NAVSEA community*

Completed SEP 2002

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SNT System Status

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- **Database Access:**
  - **NALCOMIS, OOMA, LMDSS, DMDS, FACTS, ATAC, CAV, CAV-ORM, R-RAM, UICP-P & M, FIMARS, CDMD-OA, L-CAV,**
  - **ILSMIS**
- **Direct Queries:**
  - **Maintenance history, reliability, asset visibility, warranty**
- **Decision Support:**
  - **Automa[illegible]eneration**
- **Web-site:**
  - **Latest news, documentation, tech directive info, user access**
  - **Production site on line: www.snt.navsup.navy.mil**

One Touch Accessible

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The Future

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- **SNT web expansion**
  - *Additional Data Bases*
  - *Decision Support Queries*
- **Training of NAVICP personnel (followed by TYCOM's) on SNT system**
- **Multiple training sessions conducted – more planned**
- **AIT equipment buy/distribution to NAVAIR**
- **Transportation tracking**

Summary

- Numerous benefits provided
- NAVAIR plan rolling out now
- Submarine prototype – proven concept
- Web site accessing live data
- Integration to Enterprise Resource Planning (ERP)